

**BLOOD GLUCOSE LEVEL IN ALTERED MENTAL STATUS PATIENTS**

<b>OBJECTIVE</b>	Identify hypoglycemia as a likely cause of otherwise undetermined altered mental status
<b>DEFINITIONS</b>	
% Compliance	Percentage of patients assessed by EMS providers found to meet criteria for primary clinical impression of altered mental status that then receive a blood glucose level assessment
BGL Assessment	Determination of the patient's blood glucose level regardless of the resultant BGL value [from RescueNet with D-stick as an intervention or a value entered in vital signs]
Altered Mental Status	Any patient with a <u>primary</u> clinical impression of altered mental status (Refer to definitions in Clinical Impressions List for ePCR).
Performance Objective	Assessment of blood glucose level in all patients presenting with altered mental status due to an undetermined cause

**REPORTING**

Indicator Items	Total number of patients with a primary impression of altered mental status as indicated by the clinical impression data field [from RescueNet] (Denominator, D)
	Total number of patients with a primary impression of altered mental status patients in which a blood glucose level was assessed [from RescueNet] (Numerator, N)
	% meeting performance objective criteria

**FORMULA**

$$N/D \times 100 = \%$$

**EXCLUDED CASES**

- Patients who do not meet the definition of altered mental status
- Patients who have an identifiable cause of altered mental status as the primary impression

# CLINICAL PERFORMANCE INDICATOR

## #5.5

### BLOOD GLUCOSE LEVEL IN ALTERED MENTAL STATUS PATIENTS

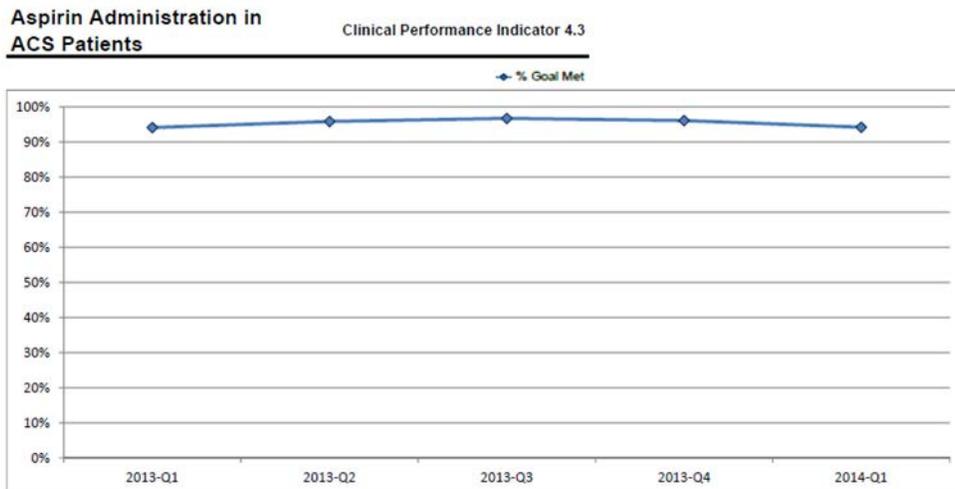
**DATA SOURCE(S)** COGNOS report from RescueNet

**REPORTING CRITERIA**

Reporting Period Quarterly; Due to OMD PI at least 2 business days prior to the EMS/OMD PI meeting at which Performance Measures will be discussed

Visual Format Line Chart (single chart); Y axis = % Compliance; X axis = quarter/year; Include the 5 most recent quarters of data; Include raw data in non-PDF format (e.g. Excel) (See chart layout and design example below)

Chart Legend Include total number altered mental status as the primary impression cases for each quarter



Fiscal Year	Quarter	Count - Trips	Count - Goal Met	Percentage - Goal Met
2013	2013-Q1	439	413	94.09%
2013	2013-Q2	601	574	95.84%
2013	2013-Q3	607	587	96.71%
2013	2013-Q4	613	589	96.08%
2014	2014-Q1	498	469	94.18%

Austin-Travis County EMS

**TYPE OF MEASURE** Process

**PERFORMANCE IMPROVEMENT** Performance measures are reviewed periodically by the Agency and OMD Performance Improvement staff. Clinical performance is overseen by the System Clinical Performance Improvement Committee and its Subcommittees.

**REFERENCES** None

**DOCUMENT APPROVAL** All clinical performance measures and revisions to these measures are reviewed and approved by the System Clinical Performance Improvement Committee.